

20010103.ba v03_n072.bam.20010103

>From ???@??? Wed Jan 3 08:18:31 2001 -0600
Date: Wed, 3 Jan 2001 08:15:44 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3072
Message-Id: <20010103152725.E4B246567@devel143.theporch.com>

BOATANCHORS Digest 3072

Topics covered in this issue include:

- 1) Bearings
by Richard Pekelney <pekelney@rspeng.com>
- 2) A MATTER OF PRIORITIES
by JOHN.SEHRING@ecunet.org
- 3) Military Radio Items Needed
by "STEVE FINELLI" <navrad@enter.net>
- 4) (no subject)
by navrad@enter.net
- 5) Re: Bearings
by Hank van Cleef <vancleef@adic.com>
- 6) Heath DX100 help
by Mike Sullivan <michaels@kc2kj.k2nesoft.com>
- 7) Re: SPEAKING OF TT'S
by Arden Allen <gumbear@pacbell.net>
- 8) RE: Heath DX100 help
by "Ed Sieb" <sieb@sympatico.ca>
- 9) SIGSALY & NCM - NSA & History Channel Next Week
by "Richard Brisson" <hagelin@magi.com>
- 10) Re: Knurl Nut Drivers and other experiences
by Jderm740@aol.com
- 11) Eddystone vs Marconi: final round?
by "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
- 12) WWVB reception
by "Bill Hawkins" <bill@iaxs.net>
- 13) slagging Regressive Edu-Kits RAG CHEW
by "Hue Miller" <kargokult@proaxis.com>
- 14) Removing Protective Gunk
by jmccarty@lucent.com (John J McCarty)
- 15) Re: slagging Regressive Edu-Kits RAG CHEW
by Arden Allen <gumbear@pacbell.net>
- 16) Re: Heath DX100 help
by jim lockwood <jmlckwd@mindspring.com>
- 17) Re: slagging Regressive Edu-Kits RAG CHEW
by Chuck Swiger <cswiger@widomaker.com>

Mime-Version: 1.0
Message-Id: <p05010401b6781677678c@[192.168.1.103]>
Date: Tue, 2 Jan 2001 15:45:12 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Richard Pekelney <pekelney@rspeng.com>
Subject: Bearings
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Aboard USS Pampanito (<http://www.maritime.org>) is a very sensitive follow-up tube amplifier in the gyrocompass. It is used to drive a follow up motor tracking the change in position of the ship relative to the sensitive element (the platform with the spinning gyro wheels). So think of the sensitive element as an accessory to the amplifier for the sake of boatanchor list etiquette. We are working on restoration of our Arma Mk 7 gyrocompass. This is the first time this has been done in the US since 1972. (<http://www.maritime.org/gyro.htm>)

The sensitive element is in the shop and we are having problems with the rotor bearings. We have gone to all the normal bearing distributors, the manufacturer MRC and have worked the surplus houses we know without luck so far. Is there any chance that any of you have ideas where we might find the following bearings

Arma 8907-9 Ball Bearing
or MRC 200-R-4

We need to find four of these in perfect condition.

Thank you,

rich

--

Richard Pekelney
Internet: pekelney@rspeng.com
Phone: USA 1-415-563-5928
Fax: USA 1-415-563-5787

Date: Tue, 2 Jan 2001 20:05:01 -0500 (EST)
Message-Id: <200101030105.f03151026578@ecunet.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: A MATTER OF PRIORITIES
From: JOHN.SEHRING@ecunet.org

To: boatanchors@theporch.com

Maybe a letter to 73 publisher Wayne Green, W2NSD, on the slaughter of the Drake L-4B would do some good, although he has a reputation as being a carmudgeon (probably 'cause he suffered so much at hands of same in the early daze).

-John Sehring (01/02/01, temp. at MWR MedCenter, Zion IL) UCC WB0EQ

Message-ID: <000c01c07521\$a49d0ba0\$369d10cf@stevef>
From: "STEVE FINELLI" <navrad@enter.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Military Radio Items Needed
Date: Tue, 2 Jan 2001 20:07:15 -0500
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_0009_01C074F7.9A59E2A0"

This is a multi-part message in MIME format.

-----=_NextPart_000_0009_01C074F7.9A59E2A0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi Gang,

I need some help!

I'm currently involved in installing radio sets in 3 WWII tank destroyers (1 M-18 Hellcat & 2 M-36). These all used the SCR-510 (BC-620) along with the RC-99 interphone equipment. The RC-99 major components are the BC-367(12v) or 667(24v) amplifiers & BC-606 & 739 interphone control boxes. I have 2 amplifiers & BC-606 control boxes but I need another BC-367 amp. & BC-739 control boxes, Qty-6. I'll take the BC-739s in just about any condition (complete or incomplete). The BC-739 looks very similar to the BC-606. Its dimensions are approx.- 4" square x 2" deep. It has 2 sets of microphone & headphone jacks, 2 jumper cables with a PL-55 & PL-68 plug, 2 volume controls & a toggle switch.

I'm also putting together a SCR-399 radio set.

To complete it, I'm looking for the following items:

1. BC-610-E (or earlier) Transmitter.
2. HO-17 Shelter
3. CH-112-A Chest
4. Cables: CO-313, CO-314, CO-316, CO-335

If you have any of the above items that are extra to your needs

or know where I can locate them, please contact:
Steve Finelli N3NNG
610-252-8211
610-258-7524
navrad@enter.net

Regards,
Steve

-----=_NextPart_000_0009_01C074F7.9A59E2A0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

-----=_NextPart_000_0009_01C074F7.9A59E2A0--

Date: Tue, 2 Jan 2001 20:06:21 -0500
From: navrad@enter.net
Message-Id: <200101030106.f0316Ls11949@mail1.enter.net>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="==i3.9.0oisdboibsd((kncd"
To: Old Tube Radios <boatanchors@theporch.com>

--==i3.9.0oisdboibsd((kncd
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
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*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

--==i3.9.0oisdboibsd((kncd--

From: Hank van Cleef <vancleef@adic.com>
Message-Id: <200101030224.TAA00825@catalina.emass.com>
Subject: Re: Bearings
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 2 Jan 2001 19:24:58 -0700 (MST)
Cc: boatanchors@theporch.com (Old Tube Radios)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As Richard Pekelney discourses

>

> Arma 8907-9 Ball Bearing

> or MRC 200-R-4

>

Rich, checking my IBI bearings interchange guide, I see MRC 200R listed with about 30 other bearings that match. It is listed as "Angular contact---Angular degrees may differ." Dimensions are 10mm ID, 30mm OD, 9mm width. You are somewhat on your own as to the applicability of the substitutes, but I suspect that some of them are suitable. Note that these are metric dimension bearings. Here are a few of the crosses given:

(US) Federal Stock Numbers:

3110-542-0018

3110-554-3406

Fafnir

7200

7200W

FAG (i.e., FAG Kugelfischer, German outfit)

110AC

110CD

7200

New Departure

20200

30200

H20200

Q20200

SKF 7200

MRC lists 200R and 7200S. The 7200 is a fairly standard number with several manufacturers.

I'd spend some time sniffing out what some of these other bearings are. In particular, run down the SKF and FAG 7200's, and pursue the FSN's (if you haven't already).

Message-ID: <3A528F16.EAFA50E1@kc2kj.k2nesoft.com>
Date: Tue, 02 Jan 2001 21:31:49 -0500
From: Mike Sullivan <michaels@kc2kj.k2nesoft.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Heath DX100 help
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

I finally got around to the heavy old DX100 I bought at Shelby hamfest for \$25. What an anchor, all 100 lbs of it. No wonder it was called the DX100 ! I downloaded a manual from bama and printed out the schematic. Was I surprised when it powered up and actually produced a carrier at 80 meters. I was more surprised when I got a 100 watt bulb dummy antenna glowing (at about 50% brightness). I just had to try a microphone and it showed some amount of modulation, but it was not fully modulated. I used a D-104 but the gain seemed low. Now for the questions:

1. Are there any likely candidates for low mic gain? I see some black beauty and other moulded caps. Should they all be replaced? What about carbon comp. resistors gaining in value?
2. The manual does not have any voltage values. Does anyone have a voltage list?
3. I recall that there are some mods to the audio chain to improve fidelity, etc. Can anyone point them to me, please?

I think getting to the low level audio stages will be a bear.

Thanks,

Mike
kc2kj

Date: Tue, 02 Jan 2001 17:48:32 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: SPEAKING OF TT'S
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0G6K002D9CVIZ0@mta5.snfc21.pbi.net>

MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi John;

>
> What I haven't yet gotten into is cal'ing the actual pass/fail,
> transconductance or emission readings. Need to look at Radiotron which
has
> a whole section on that. I would learn a lot more about from tubes by
> doing that, I think.

>From the WIW Dept., the other day I tested some 6A7 pentagrid converters
for a 1937 Philco I recently resurrected. I had two NIB tubes and several
of various usages. One tested right at my TV-7's reject point. Of course,
I tried that tube in the radio to see if it was at all useful. I couldn't
tell any difference in reception between the end of life tube and the NIB
tubes. With the antenna disconnected there was a barely discernible lesser
amount of thermionic noise with the used tube. So the question in my mind
is, what criteria of tube acceptability are we concerned with here?

When repairing ARC-27's in the Navy, I didn't have access to a tube tester.
If the receiver or transmitter wouldn't meet test requirements, I started
swapping tubes until I found the weaklings. I feel to this day that if I
had a tube tester I would have had lower production and no better delivered
(to the flight line) reliability. Something to think about before getting
overwrought about tube testers.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

From: "Ed Sieb" <sieb@sympatico.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Heath DX100 help
Date: Tue, 2 Jan 2001 22:43:41 -0500
Message-ID: <LOBBJH0L00HLIPLONIAFKELHDIAA.sieb@sympatico.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

An excellent on-line compendium of DX-100 mods is available at:

Tim, WA1HLR "Tim-Tron"mods:
<http://www.thebizlink.com/am/tech/htm/dx100.htm>
Ed, AA8TV DX-100 mods:
<http://www.thebizlink.com/am/tech/htm/dx100/dx100.htm>

Screen Modulation Optimization for the
DX-100 by Dean, WA1KNX :
<http://www.thebizlink.com/am/tech/htm/scriomod.htm>
Drive Pot Repair for the DX-100:
<http://www.thebizlink.com/am/tech/htm/drivepot.htm>

Since I won't (and can't) send attachments through the listserver,
email me for two more excellent mods.
<mailto:va3es@rac.ca>

I hope (and pray) that I can complete the 3rd Ed. of the
DX-100/Apache mods handbook before spring.
(Which will include Heaths original Dx-100 service bulletins, among other
items).

73
Ed
VA3ES

~~~~~  
Ed Sieb, VA3ES                      [va3es@rac.ca](mailto:va3es@rac.ca)  
P. O. Box 8377, Ottawa Terminal, Ottawa, Ontario, K1G 3H8  
613-738-8924  
AMI #529 Canadian Division Director.  
Member - Radio Club of America, QCWA, AWA  
Net Manager - Canadian Boat Anchor Net (3745 Kcs)  
~~~~~

> -----Original Message-----
> From: Mike Sullivan
> Sent: Tuesday, January 02, 2001 9:32 PM
> 3. I recall that there are some mods to the audio chain to improve
> fidelity, etc. Can anyone point them to me, please?
>
> I think getting to the low level audio stages will be a bear.
>
> Thanks,
>
> Mike
> kc2kj
>

Message-ID: <009e01c07538\$95588a40\$bc0d059a@pentium350>
From: "Richard Brisson" <hagelin@magi.com>
To: Old Tube Radios <boatanchors@theporch.com>

Subject: SIGSALY & NCM - NSA & History Channel Next Week
Date: Tue, 2 Jan 2001 22:52:22 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi everyone,

Since I have just renewed my Boatanchors subscription, I am prompted to provide one of my infrequent contributions to the list!

If any of you are interested in pamphlets put out by the National Cryptologic Museum (and, as you well know, affiliated with NSA) such as SIGSALY, "Cryptographic Mathematics of Enigma", "The Bombe", "Sharing the Burden - Women in Cryptology during WWII", the 6 pamphlet Venona series, the Korean War, etc, these are given out *FREE* by the National Cryptologic Museum and they will mail them to you if you phone them. Their number is 301-688-5849 and you can check their hours of operation at:

<http://www.nsa.gov:8080/museum/map.html>

Finally, for those of you who receive the U.S. History Channel feed (that includes very few of us Canadians!), then you will be able to watch "America's Most Secret Agency" on Monday, January 08 8:00 PM-9:00 PM which will feature:

The National Security Agency, America's most secret and controversial agency, is charged with safeguarding the nation's strategic intelligence information and decoding the secret communications of our enemies. For only the second time in its nearly 50 year history, the N.S.A. allowed cameras inside its Ft. Meade, Maryland, headquarters, and the director, Lt. General Michael V. Hayden, sits for a rare interview and addresses issues such as privacy. Tune in and find out if Big Brother is watching you!

To all, happy collecting and fun/safe restorations in 2001,

Richard Brisson
Email: hagelin@magi.com
Web: <http://home.magi.com/~hagelin/collection.html>

----- Original Message -----

From: "Jerry Proc" <jproc@idirect.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Monday, January 01, 2001 7:37 PM
Subject: SIGSALY

> Hi Folks,
>
> Just released by the National Security Agency several months ago, this
> web page features SIGSALY the largest crypto machine ever built. It's
> function was to provide secure voice communications for senior leaders
> during WW II. This system laid the groundwork for today's digital
> revolution.
>
> <http://www.nsa.gov/wwii/index.html>
>
>
>
> --
> Jerry Proc VE3FAB
> e-mail: jproc@idirect.com
> <http://webhome.idirect.com/~jproc/ve3fab>
> HMCS HAIDA Historic Naval Ship. Toronto, Ontario
>

From: Jderm740@aol.com
Message-ID: <49.59bd756.278407fb@aol.com>
Date: Tue, 2 Jan 2001 23:43:39 EST
Subject: Re: Knurl Nut Drivers and other expierences
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="part1_49.59bd756.278407fb_boundary"
Content-Disposition: Inline

--part1_49.59bd756.278407fb_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In my last post I told about having a tool from Switchcraft, A1070. I looked up Switchcraft's web site, plugged in that number and found a complete series of 1070xxxxxx switches. But no tools. So I emailed them on the subject and received a lovely phone call, from what sounded like a young and attractive,lady.

Nobody there knew what I was talking about. Heck, why should they. None had been Confirmed or Bar Mitzvaed when we bought ours. After talking to her I went back to their website and found a link to their distributors. Plugged the # into the link and up popped Industrial Electronics, Inc. with 'one' on hand as of Nov 2000, but no address.

Back to SC. Same lovely lady who was shocked at this news but she gave me the address and Tele# for the co.
Here it is: Industrial Electronics, Inc. 3625 Lock Ave. Ft. Worth, Tx. 76107.
Tel. 817-731-7321.

Lots of luck to whoever gets there first.

Jack McDermott Jderm740@aol.com

PS. Don't ask me about trying the WWW.

--part1_49.59bd756.278407fb_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
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*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

--part1_49.59bd756.278407fb_boundary--

Message-Id: <3.0.5.32.20010103081349.007f0ea0@pop.ctv.es>
Date: Wed, 03 Jan 2001 08:13:49 +0100
To: Old Tube Radios <boatanchors@theporch.com>
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
Subject: Eddystone vs Marconi: final round?
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello!

Thanks for your comments about both receivers. I had a mail crash this morning, loosing about 50 messages, so I have only received messages about this subject from Meir, Sandy and Guido. If anybody else sent a message, please, send it again. Sorry!

Well, so far, everybody agreed the Eddystone 830 is better than the Electra. As I anticipated this ;-), yesterday I picked up an 830. I have

good and not so good news: looking at the large pile of gear (about 150 rigs) where the Eddystone and the Marconi are located, I picked up an 830 (there are two of them, so I could take one). I found it was an 830/7 model and front panel was about an 8. Nice!. So I took it home... to find somebody had badly butchered it :-(. It seems power transformer 6.3VAC winding was shot, so there were some wiring mods, not neatly done, to take filament power from two 3.15V outputs in the transformer. Then, in most of the tubes, it was evident (poor soldering job) a wiring change. And that included some added components. Also, the noise limiter / AGC switch wafer was just missing, and some of its wires poorly soldered and the others just cut. Power cord was also replaced in a loosely way. There were also some missing covers. All in all, 'just a pretty face' :-(

I have the chance to pick up the other 830 in the pile... I know it is cosmetically worse (at least front panel wise). And it is probably an 830/2 (it has an slightly different color scheme). But if it is in better condition internally, I will take it, as fixing the other one seems as a big challenge and some things just could not be fixed reasonably (as some charred wires, due to the lousy soldering job). I will let you know what I find. In case the other 830 is also in bad shape, I will go for the Electra.

Well, sometimes things are not as nice as they look at first glance. But, anyway, I am lucky to be able to select which receiver I want, checking it at home and then deciding. Imagine if you buy a rig overseas and, once you get it, you discover it is as the 830/7 I got...

BTW, in the pile (NOT available for me to have) there are some other interesting receivers, as a Marconi Nebula (about a 9 cosmetically) and Apollo (about an 8). Also an ITT-Mackay 3010C (in great shape). And older Eddystones, a Redifon R-50M, ... I can take any of them home and use it for some days if I wish... Perhaps some day, once I get my 'gift' receiver.

Best regards,

JOSE

73 EB5AGV / EC5AAU - JOSE V. GAVILA
La Canyada - Valencia (SPAIN)

EB5AGV Vintage Radio Site: <http://www.geocities.com/eb5agv>

European Boatanchors List: http://www.eGroups.com/list/euro_ba_swap

From: "Bill Hawkins" <bill@iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WWVB reception
Date: Wed, 3 Jan 2001 01:22:57 -0600

Message-ID: <002301c07555\$ff010220\$290aa8c0@darius>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Happy new year, group!

Have a puzzlement caused by Minnesota weather. Over a foot of snow has built up on the roof of our walkout rambler (one-story with basement exposed on one side). I recently bought an expensive VLF receiver with phase locked loop detection. It picked up WWVB with a non-resonant loop in the attic. Then the snows fell, and WWVB wouldn't come in anymore. Today I pulled about 10% of the snow off the roof (to clear some vents), and now WWVB comes booming in again.

Will a foot of snow shield a VLF loop antenna? Or has WWVB been off the air? Or am I gonna hurt my hand smacking my forehead when I figure out the real cause . . .

Regards,
Bill Hawkins

Message-ID: <000301c07561\$51ba1140\$1ffb91c6@oemcomputer>
From: "Hue Miller" <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: slagging Regressive Edu-Kits RAG CHEW
Date: Wed, 3 Jan 2001 00:34:07 -0800
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nothing here on Johnson paint schemes, but it does deal with vacuum tubes....

Remember "Progressive Edu-Kits" ? If not, you should delete this note now. Edu-Kits continued to be advertised into the early 1980s, when their ads really looked odd on the back cover of some magazine full of, for example, IC projects. You know the ad, the one with a drawing of some young man with a 150-watt American Beauty, soldering together a grid-leak detector. The ad with the same testimonials first used in 1954, the ad with the sidebar promising to teach about "printed circuitry, which is now growing in use in electronics". That claim, and the ancient testimonials, and the overall cheesy look of the ad, made

me easily resist buying one, altho i am generally a sucker for simple kiddie-type radio gizmos. Anyway, i did recently buy the manual. The kit came with 3 bulbs, 2x 6SJ7 and 1x 6J5. The circuits you build are a series of plate detector, RF + plate detector, RF + diode detector, 2 RF + plate detector (yawn), and so on, with a vague explanation about what you are doing and why. The 3 pages of theory in the back of the manual are condensed generic radio BS, stuff like "waves travel" and such off the top of someone's head. Only 1 circuit i thought was interesting, a broadcaster circuit with 6SJ7 oscillator, 6J5 mic amp, and 6SJ7 as a -surprise- mixer, with the G1 as the audio input grid and G2, screen grid, as the zero bias RF input. That was a little different and sufficiently gizmo-like that it was worth the price of admission - but i beat Edu-Kit's system and didn't have to pay the \$14.95 or whatever it was. I imagine Edu-Kits would have liked to have gone on forever, maybe advertising on the back of computer magazines, but probably responses dropped off, modern readers saying "Wha?" when they see the illustration with the big soldering iron and the grid-leak chassis. Probably liability was a concern too, i mean who would hand a kid a hot chassis kit, without even the protective cabinet of a Knight Kit or Lafayette. I know if i had built the thing in my younger days, i would have gotten a shock or 2 for sure. Actually, i managed to get them even without the Edu-Kit.

To summarize, if i could open a pipeline into Time, i would shout down it, back to 1954, and 1961, and on....

"Don't buy this thing!!!"

--Hue Miller

From: jmccarty@lucent.com (John J Mccarty)
Date: Wed, 3 Jan 2001 02:25:51 -0600 (CST)
Message-Id: <200101030825.CAA11921@nwsgrpb.ih.lucent.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Removing Protective Gunk

Hello + happy New Year

I just picked up some antenna sections from Fair Radio. The sections are ms-49 through -53, and the larger ones have their ends protected by some "stuff". The stuff is a cross between wax and grease (old cosmoline?) and

under that is a wrapping of a fibrous paper. How do
I remove this stuff with out hurting the paint. I tried
mineral spirits, which did not help. Any thoughts ?

Tnx

John n9hrt
jmccarty@lucent.com

Date: Wed, 03 Jan 2001 03:06:14 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: slagging Regressive Edu-Kits RAG CHEW
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0G6L00KBF2P0KR@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Hue;

> Remember "Progressive Edu-Kits" ?

Yep, I sure do. I was one of the dupes. Your description is most
appropriate. A few parts and a U shaped chassis made of galvanized steel
with a worthless manual. I built the code oscillator and drove everyone in
the house nuts before the zzzzz's took over. It was "progerssive" in one
respect. The .01uF caps were little tiny things, precursors of the coming
miniaturization. I bought mine by begging for a "salary" exception at the
correct moment prior to my 12th birthday. Be careful what you ask for ,
you may get it!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <3.0.32.20010103055139.0073fcac@pop.mindspring.com>
Date: Wed, 03 Jan 2001 05:51:46 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: jim lockwood <jmlckwd@mindspring.com>
Subject: Re: Heath DX100 help
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Mike,

At 09:31 PM 01/02/2001 -0500, Mike Sullivan wrote:

>I finally got around to the heavy old DX100 I bought at Shelby hamfest
>for \$25. What an anchor, all 100 lbs of it.

:--) Yes, and the DX-100 is the rig for which this "boatanchors" list was
named. Appropriate, huh?

>

>1. Are there any likely candidates for low mic gain? I see some black
>beauty and other moulded caps. Should they all be replaced? What about
>carbon comp. resistors gaining in value?

Definitely change all paper caps and suspect all electrolytics. Check
every carbon comp resistor (my advice is to just change them all).

>

>

>3. I recall that there are some mods to the audio chain to improve
>fidelity, etc. Can anyone point them to me, please?

Under separate cover, I'll send you a treatise I wrote about two years ago.

It tells what you need to do to make the DX-100 sound good without making
major changes.

>

>I think getting to the low level audio stages will be a bear.

Not too bad. The key thing is to remove the small partition in the audio
chain. As I remember, lots of components are mounted on it and you can
"prewire" it before reinstalling. Also, access to the rest of the parts
improves with it out of the way.

73,

Jim - k4ccf

Message-Id: <4.3.1.1.20010103083847.00e1da40@192.168.0.134>

Date: Wed, 03 Jan 2001 09:15:23 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Chuck Swiger <cswiger@widomaker.com>

Subject: Re: slagging Regressive Edu-Kits RAG CHEW

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang -

Maybe it was just a case of throwing the dart and getting lucky, but a kit with a similiary type of ad, like on the back of Jan 65 Popular Electronics, the "American Basic Science Club" was a blast. Or else diminuitive hillbillies are easily entertained. Free with the first kit you get a "Mystery Shock Box", which was a little cardboard box you fold up, put in a coil you wind on a nail, wire another nail interrupter, a hefty "D" cell, and strategically covered on the outside with adhesive foil so no matter how you pick it up your fingers are across the coil secd'y. On top was a spy character with a question mark to temp the curious. Needless to say, too much fun for a second grade parctical joker.

Kit #1 starts off with lots of theory about static, DC and immediately has a lightbulb/rheostat exp. These were assembled on a piece of fibre board that fits into a cardboard box. Then you do some magnet stuff, the galvanometer, make a battery, electrolysis, electroplating, then get to play with the 115V transformer, first stepping up battery jolts to learn some respect, and then plugging it into the wall and lighting a light bulb on the different taps - lots of real simple but very educational stuff.

Kit #2 introduces you to ohms law, wheatstone bridge, making a voltmeter with a neon bulb, and finally the 35W4 vacuum tube rectifier, filter inductance and capacitors, and ends up making a stroboscope out of the big neon bulb as a relaxation oscillator. Just one thrill after another.

Kit #3 starts into audio amps using a 12BA6, adding another stage with a 35C5, making a proximity detector and burgler alarm, adding feedback and making an oscillator, coupling that to a vibrator to make a ripple tank, standing waves, nodal lines, vibrating string, attaching a cone to make a loudspeaker, back to the neon bulb to make another stroboscope and calibrating with a strobe disk on a record turntable, and the code practice oscillator.

Finally kit #4 has stuff on loudspeakers and microphones, a two tube regenerative receiver (12BA6 rf and 35C5 audio), a code transmitter and finishes

up converting the regen set to 80 meters. Everything is explained each step of the way with lots of pictures - it was still very economically made, definitely in the toy class but kept this kid very busy! Not bad for \$19.95. Just glad I hung onto the manuals, many good memories, especially of my second grade teacher taking the shock box away from the class tough guy who was shaking it and creating a disturbance.

Chuck
kb4new
cswiger@widomaker.com

At 12:34 AM 1/3/01 -0800, you wrote:

>Remember "Progressive Edu-Kits" ? If not, you should delete
>this note now. Edu-Kits continued to be advertised into the

>early 1980s, when their ads really looked odd on the back

End of BOATANCHORS Digest 3072
